



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/672,378	05/28/96	ADACHI	M 960253/HG

IM22/1025
FRISHAUF, HOLTZ, GOODMAN, LANGER &
CHICK, P.C.
767 THIRD AVENUE - 25TH FLOOR
NEW YORK NY 10017-2023

EXAMINER

BATTEN JR, J

ART UNIT PAPER NUMBER

1722 20

DATE MAILED: 10/25/99

This is a communication from the examiner in charge of your application.
COMMISSIONER OF PATENTS AND TRADEMARKS

NOTICE OF ALLOWABILITY

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to THE AMENDMENT FILED OCTOBER 12, 1999.

☒ The allowed claim(s) is/are 1-40.

☒ The drawings filed on OCTOBER 12, 1999 are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR REPLY to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☐ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____.

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any reply to this notice should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Notice of Draftperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☐ Examiner's Statement of Reasons for Allowance

J. Reed Batten, Jr.

J. REED BATTEN, JR.
PRIMARY EXAMINER

GROUP 320/1722

08/672,378



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

VS-70

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

IM22/1025
FRISHAUF, HOLTZ, GOODMAN, LANGER &
CHICK, P.C.
767 THIRD AVENUE - 25TH FLOOR
NEW YORK NY 10017-2023

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/672,378	05/28/96	040	BATTEN JR, J	1722 10/25/99
First Named Applicant	ADACHI, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION
METHOD AND APPARATUS FOR SHAPING SEMISOLID METALS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3	960253/H6	164-071.100	D41 UTILITY	NO	\$1210.00	01/25/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B-Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Art Unit: 1722

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. The application has been amended as follows:

Page 10, lines 29 and 34, "claim 1 or 2" has been changed to -- the first or second embodiment of the present invention --.

Page 13, line 6, "as recited in claims 11-13 and 18" has been changed to -- in the eleventh, twelfth, thirteenth and eighteenth embodiments of the present invention --.

Page 30, line 37-page 31, line 1, "(as recited in claims 11-13)" has been cancelled.

Page 31, line 3, "recited in claims 11-13" has been changed to -- in the eleventh, twelfth and thirteenth embodiments --.

Page 43, line 20, "claim 17" has been changed to -- the seventeenth embodiment of the present invention --.

Page 55, line 4, "claim 18" has been changed to -- the eighteenth embodiment of the present invention --.

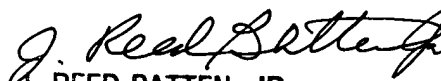
Page 93, line 2, "claim 32" has been changed to -- the thirty-second embodiment of the present invention --.

Art Unit: 1722

Page 111, line 26, "claims 36 and 37" has been changed to -- the thirty-sixth and thirty-seventh embodiments of the present invention --.

The above amendments have been made to delete all references to the claims in the specification.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reed Batten whose telephone number is (703) 308-0471.


J. REED BATTEN, JR.
PRIMARY EXAMINER
GROUP 320 / 722

rb

October 25, 1999